

16519 U.S. PTO  
09/24/03

PTO/SB/05 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032  
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UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

|                        |   |
|------------------------|---|
| Attorney Docket No.    | 1678-60-3   |
| First Inventor         | Varghese George   |
| Title                  | SELF-PROGRAMMABLE BIDIRECTIONAL BUFFER CIRCUIT AND METHOD |
| Express Mail Label No. | ER452755833US   |

22212 U.S.P.T.O.  
10/6/2003

092403

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 24]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 7 ]
5. Oath or Declaration [Total Sheets 3 ]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)
    - i.  DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76

## ADDRESS TO:

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  Paper
  - c.  Statements verifying identity of above copies

## ACCOMPANYING APPLICATIONS PARTS

9.  Assignment Papers (cover sheet & document(s))
10.  37 C.F.R. 3.73(b) Statement  Power of Attorney (when there is an assignee)
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15.  Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.  Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17.  Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation  Divisional  Continuation-in-part (CIP)

of prior application No: \_\_\_\_\_ / \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

 Customer Number

00996

OR  Correspondence address below

|         |           |          |  |
|---------|-----------|----------|--|
| Name    |           |          |  |
| Address |           |          |  |
| City    | State     | Zip Code |  |
| Country | Telephone | Fax      |  |

|                   |               |                                   |        |
|-------------------|---------------|-----------------------------------|--------|
| Name (Print/Type) | Paul F. Rusyn | Registration No. (Attorney/Agent) | 42,118 |
| Signature         |               |                                   | Date   |

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 1048)

| Complete if Known    |                    |
|----------------------|--------------------|
| Application Number   |                    |
| Filing Date          | September 24, 2003 |
| First Named Inventor | Varghese George    |
| Examiner Name        |                    |
| Group / Art Unit     |                    |

Attorney Docket No. 1678-60-3

## METHOD OF PAYMENT (check one)

1.  The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

|   |                            |
|---|----------------------------|
| Deposit Account Number  | 07-1897                    |
| Deposit Account Name  | Graybeal Jackson Haley LLP |
| <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17<br><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 |                            |

2.  Payment Enclosed:

|   |                                      |                                      |                                |
|---|--------------------------------------|--------------------------------------|--------------------------------|
| <input checked="" type="checkbox"/> Check | <input type="checkbox"/> Credit card | <input type="checkbox"/> Money Order | <input type="checkbox"/> Other |
|---|--------------------------------------|--------------------------------------|--------------------------------|

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

| Fee Code | Large Entity |          | Small Entity |          | Fee Description  | Fee Paid |
|----------|--------------|----------|--------------|----------|--|----------|
|          | Fee (\$)     | Fee Code | Fee (\$)     | Fee Code |  |          |
| 105      | 130          | 205      | 65           | 65       | Surcharge - late filing fee or oath  |          |
| 127      | 50           | 227      | 25           | 25       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 139      | 130          | 139      | 130          | 130      | Non-English specification  |          |
| 147      | 2,520        | 147      | 2,520        | 2,520    | For filing a request for reexamination                                     |          |
| 112      | 920*         | 112      | 920*         | 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 113      | 1,840*       | 113      | 1,840*       | 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 115      | 110          | 215      | 55           | 55       | Extension for reply within first month                                     |          |
| 116      | 400          | 216      | 200          | 200      | Extension for reply within second month                                    |          |
| 117      | 920          | 217      | 460          | 460      | Extension for reply within third month                                     |          |
| 118      | 1,440        | 218      | 720          | 720      | Extension for reply within fourth month                                    |          |
| 128      | 1,960        | 228      | 980          | 980      | Extension for reply within fifth month                                     |          |
| 119      | 320          | 219      | 160          | 160      | Notice of Appeal   |          |
| 120      | 320          | 220      | 160          | 160      | Filing a brief in support of an appeal                                     |          |
| 121      | 280          | 221      | 140          | 140      | Request for oral hearing   |          |
| 138      | 1,510        | 138      | 1,510        | 1,510    | Petition to Institute a public use proceeding                              |          |
| 140      | 110          | 240      | 55           | 55       | Petition to revive – unavoidable   |          |
| 141      | 1,280        | 241      | 640          | 640      | Petition to revive – unintentional   |          |
| 142      | 1,280        | 242      | 640          | 640      | Utility issue fee (or reissue)   |          |
| 143      | 460          | 243      | 230          | 230      | Design issue fee   |          |
| 144      | 620          | 244      | 310          | 310      | Plant issue fee  |          |
| 122      | 130          | 122      | 130          | 130      | Petitions to the Commissioner  |          |
| 123      | 50           | 123      | 50           | 50       | Processing fee under 37 CFR 1.17 (q)                                       |          |
| 126      | 180          | 126      | 180          | 180      | Submission of Information Disclosure Stmt                                  |          |
| 581      | 40           | 581      | 40           | 40       | Recording each patent assignment per property (times number of properties) |          |
| 146      | 740          | 246      | 370          | 370      | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 149      | 740          | 249      | 370          | 370      | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 179      | 740          | 279      | 370          | 370      | Request for Continued Examination (RCE)                                    |          |
| 169      | 900          | 169      | 900          | 900      | Request for expedited examination of a design application                  |          |

## SUBTOTAL (1) (\$ 750)

## 2. EXTRA CLAIM FEES

|                    |    | Extra Claims | Fee from below | Fee Paid   |
|--------------------|----|--------------|----------------|------------|
| Total Claims       | 25 | -20 **       | = 5            | X 18 = 90  |
| Independent Claims | 5  | -3 **        | = 2            | X 84 = 168 |
| Multiple Dependent |    |              | X              | = 0        |

| Large Entity | Small Entity | Fee Description  |
|--------------|--------------|--|
| Fee Code     | Fee (\$)     | Fee Description  |
| 103          | 18           | 203  |
| 102          | 84           | 202  |
| 104          | 280          | 204  |
| 109          | 84           | 209  |
| 110          | 18           | 210  |
|              |              | Claims in excess of 20                                     |
|              |              | Independent claims in excess of 3                          |
|              |              | Multiple dependent claim, if not paid                      |
|              |              | ** Reissue independent claims over original patent         |
|              |              | ** Reissue claims in excess of 20 and over original patent |

## SUBTOTAL (2) (\$ 258)

Other fee (specify) \_\_\_\_\_

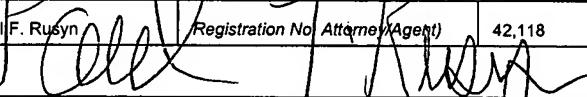
\*Reduced by Basic Filing Fee Paid

## SUBTOTAL (3) (\$ 40)

\*\*or number previously paid, if greater; For Reissues, see above

## SUBMITTED BY

Complete (if applicable)

|                   |  |                  |        |                |           |                    |
|-------------------|--|------------------|--------|----------------|-----------|--------------------|
| Name (Print/Type) | Paul F. Rusyn  | Registration No. | 42,118 | Attorney/Agent | Telephone | 425.455.5575       |
| Signature         |  |                  |        |                | Date      | September 24, 2003 |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PATENT APPLICATION - CERTIFICATE OF MAILING

Inventor: Varghese George

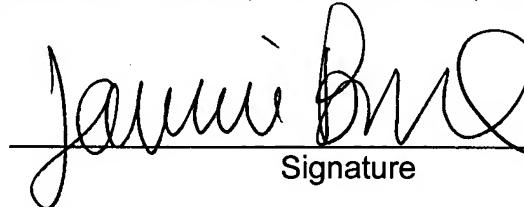
Title of Invention: **SELF-PROGRAMMABLE BIDIRECTIONAL BUFFER CIRCUIT AND METHOD**

Attorney Dkt. No.: 1678-60-3

CERTIFICATE OF MAILING OR TRANSMISSION

"Express Mail" mailing label number: ER452755833US  
Date of Deposit: September 24, 2003

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR, Section 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 by



\_\_\_\_\_  
Signature

Enclosures:

Utility Application Transmittal  
Fee Transmittal  
Specification and Claims (24 pages)  
Declaration and Power of Attorney  
Drawings (7 pages)  
Check No. 21018 in the amount of \$1048.00  
Assignment  
Recordation Cover Sheet  
Return postcard